Everything You Ever Wanted to Know about LASR and UAAP, but Were Afraid to Ask.

LT BLAKE

HSL - 42

What are they?

- LASR = LAMPS Aircraft Sortie Rate
- UAAP = Underway Aircraft Availability Percentage

How are they Computed?

$$\frac{\text{\# flights that det launched within 30 min. of scheduled launch time (NOTE 1)}}{\text{\# flights that were officially assigned to detachment (NOTE 1) (NOTE 2)}} = \text{LASR}$$

Note 1:

- **LAMPS Events that were cancelled or delayed due to weather (or other acts of God) shall not be included.**
- **LAMPS Events that were cancelled or delayed due to underway SOE change shall not be included.**
- **LAMPS Events that were postponed due to underway SOE change will be included when that event is officially rescheduled.**
- **Include launches during "alert" status in both the numerator AND denominator (30 minute window to launch is changed to level of "alert" status assigned by tasking agency - i.e. if tasked while on 15 minute alert, det must have successfully launched within 15 minutes).**

How are they Computed?

- **Note 2:**
- **All sorties that were previously planned and tasked in a written flight schedule shall be included. These flight events include:**
  - **LAMPS Events tasked in the Battle Group ATO or latest amendment.**
  - **LAMPS Events tasked in a Battle Group Warfare CDR's Daily Intentions Message.**
  - **LAMPS Events scheduled in an individual ship's flight schedule drafted by the Detachment OIC and signed by ship CO.**

How are they Computed?

# of hours per day embarked helo can be launched within 60 min. (NOTE 1)

= UAAP

total # of hours underway per day

NOTE 1: Include all timeframes when maintenance conducted on helicopter would prevent aircraft from launching within 60 minutes while underway such as:

- **Aircraft washes.**
- **Applicable scheduled and unscheduled maintenance.**
- **Phase maintenance.**
- **period awaiting completion of FCFs.**

**** If det assigned two aircraft, data applies to ability to launch at least one aircraft.**

**** UAAP shall not include periods when ship is in-port regardless of maintenance status. Data is designed to reflect aircraft availability percentage during operational underway periods only.**

**** Crew rest (or any aircrew related restriction) shall not be a factor. Data pertains to "aircraft" availability only.**

Why are they Computed?

- LASR & UAAP provide statistical data to CHSLWL that will enable them identify trends, justify requests for greater manning/funding, and determine any necessary changes to make LAMPS even better.

- UAAP & LASR are neither Battle “E” nor Safety Award inputs, so ***do…not…gundeck!!!***

- UAAP & LASR are required blocks on your End of Month Reports.

What is Normal?

- CHSLWL Averages:
  - LASR = 95%
  - UAAP (1 Plane Det) = 78%
  - UAAP (2 Plane Det) = 90%

- UAAP & LASR are items on the End of Cruise Reports for returning detachments.
- During your End of Cruise Brief, the Commodore will definitely comment on any large deviations from the Wing Average, so have some justification for your numbers.

My Suggestions

- **UAAP:**
- The Det OIC, MO, & OPS need to decide a standard for how they are going to compute the time “down” for UAAP computations and stick with it from Day 1 of Work-Ups.
  - e.g. 1 DTA = minus 1 hour of unavailability
- Keep a daily log of “down” time, time in port, and time conducting maintenance that would preclude a launch within 60 minutes. Include a reason for the “down” time.
- **LASR:**
- Keep a good record of flights scheduled/tasked and if they launched in time for credit or not.
- Include why the helo was unable to launch on time.

- ***USE A SPREADSHEET & UPDATE IT DAILY!!!***

Example UAAP Log

UAAP April 2003			
Date	**Hrs in Day**	**Hours Available**	**Reasons**
1-Apr-03	24	23	DTA
2-Apr-03	11	11	Augusta Bay, Sicily
3-Apr-03	0	0	Augusta Bay, Sicily
4-Apr-03	15	15	Augusta Bay, Sicily & DTA
5-Apr-03	24	23	DTA
6-Apr-03	24	23	DTA
7-Apr-03	13.75	13.75	STROG XSIT / Rota, Spain
8-Apr-03	0	0	Rota, Spain
9-Apr-03	0	0	Rota, Spain
10-Apr-03	16	15	DTA
11-Apr-03	24	23	DTA
12-Apr-03	24	23	DTA
13-Apr-03	24	21	Pilot's PDU
14-Apr-03	18	0	Pilot's PDU & Rota, Spain
15-Apr-03	24	0	Pilot's PDU
16-Apr-03	8.5	0	Pilot's PDU & Palma de Mallorca, Spain
17-Apr-03	0	0	Pilot's PDU & Palma de Mallorca, Spain
18-Apr-03	0	0	Pilot's PDU & Palma de Mallorca, Spain
19-Apr-03	0	0	Pilot's PDU & Palma de Mallorca, Spain
20-Apr-03	0	0	Palma de Mallorca, Spain
21-Apr-03	16	15	DTA
22-Apr-03	13.25	13.25	Rota, Spain
23-Apr-03	0	0	Rota, Spain
24-Apr-03	15	14	DTA
25-Apr-03	24	23	DTA
26-Apr-03	24	23	DTA
27-Apr-03	15.5	13	C-Power & Rota, Spain
28-Apr-03	0	0	Rota, Spain
29-Apr-03	14	5.5	Rota, Spain & Phase B
30-Apr-03	24	0	Phase B
30 Days	**396**	**297.5**	
UAAP % =		75.13%	

Example LASR Log

LASR April 2003

Date	Sorties Scheduled	Sorties Flown	Comments
1-Apr-03	2	2	ULT/RMP
2-Apr-03	0	0	Augsta Bay, Sicily
3-Apr-03	0	0	Augsta Bay, Sicily
4-Apr-03	2	2	Augsta Bay, Sicily & ULT/RMP
5-Apr-03	2	2	ULT/RMP
6-Apr-03	2	2	ULT/RMP
7-Apr-03	1	1	STROG XSIT & Rota, Spain
8-Apr-03	0	0	Rota, Spain
9-Apr-03	0	0	Rota, Spain
10-Apr-03	3	3	STROG XSIT / Pax Xfer
11-Apr-03	1	1	ULT/RMP
12-Apr-03	4	4	STROG XSIT / Pax Xfer
13-Apr-03	4	4	STROG XSIT / Pax Xfer
14-Apr-03	0	0	PDU & Rota, Spain
15-Apr-03	0	0	PDU
16-Apr-03	0	0	PDU & Palma de Mallorca, Spain
17-Apr-03	0	0	PDU & Palma de Mallorca, Spain
18-Apr-03	0	0	PDU & Palma de Mallorca, Spain
19-Apr-03	0	0	PDU & Palma de Mallorca, Spain
20-Apr-03	0	0	PDU & Palma de Mallorca, Spain
21-Apr-03	1	1	Palma de Mallorca, Spain & ULT/RMP
22-Apr-03	1	1	STROG XSIT
23-Apr-03	0	0	Rota, Spain
24-Apr-03	2	2	STROG XSIT
25-Apr-03	3	3	Pax Xfer's & STROG XSIT
26-Apr-03	3	3	STROG XSIT & ULT
27-Apr-03	2	1	STROG XSIT & C-Power Problem
28-Apr-03	0	0	Rota, Spain
29-Apr-03	1	1	STROG XSIT
30-Apr-03	0	0	Phase B
30 Days	**34**	**33**	
	LASR % =	97.06%	

End Of Cruise Data

DET 8 LASR MED 2002-2003			
Month	**Sorties Scheduled**	**Sorties Flown**	**Monthly Percentage**
December	24	18	75.00%
January	32	29	90.63%
February	21	18	85.71%
March	41	38	92.68%
April	34	33	97.06%
May	11	11	100.00%
TOTAL	**163**	**147**	
	Sortie % =	90.18%	

DET 8 UAAP MED 2002-2003			
Month	**Hours Underway**	**Hours Available**	**Monthly Percentage**
December	471.25	370.25	78.57%
January	450.75	377.00	83.64%
February	538.50	315.50	58.59%
March	548.25	474.00	86.46%
April	396.00	297.50	75.13%
May	376.50	186.00	49.40%
TOTAL	**2781.25**	**2020.25**	
	Availability % =	72.64%	

Any Questions???